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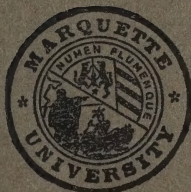
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Marquette University

BULLETIN

DENTAL SCHOOL

NEW SERIES IV. VOL. 3. NUMBER 1. JANUARY 1925.



For Information Address:

MARQUETTE UNIVERSITY DENTAL SCHOOL
Milwaukee, Wisconsin

PUBLISHED MONTHLY BY MARQUETTE UNIVERSITY
MILWAUKEE, WISCONSIN

Entered as SECOND CLASS Matter April 12th, 1916, at the Post Office at
Milwaukee, Wisconsin, Under the Act of August 24th, 1912.

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1926

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CALENDAR FOR 1925-1926**1925**

- June 5—Summer clinic courses for Juniors and Seniors begin.
September 15-16—Registration days for pre-Dental students in the
College of Liberal Arts.
September 17—Classes in the College of Liberal Arts begin.
September 28—Summer clinic courses end.
September 29-30—Registration days.
October 1—Classes begin in the Dental School.
November 26-30—Thanksgiving recess.
December 23-January 4—Christmas recess.

1926

- January 27-30—Semester examinations.
February 1-2—Registration days.
February 3—Second semester begins.
February 22—Washington's birthday.
March 16—President's day.
Easter Recess.
June 1-4—Semester examinations.
June 7—Summer clinic courses for Juniors and Seniors begin.
June 10—Commencement exercises.
September 28—Summer clinic courses end.
The session 1926-1927 will begin on October 1, 1926.

OFFICERS

Rev. Albert C. Fox, S.J., A.M., LL.D., President of the University.
Rev. Joseph C. Flynn, S.J., Secretary of the University.
Rev. Frederick A. Gosiger, S.J., Treasurer of the University.
Rev. Simon J. Nicolas, S.J., Dean of Men.
Rev. Patrick A. Mullens, S. J., Regent.
Henry L. Banzhaf, B.S., D.D.S., F.A.C.D., Dean.
Edward A. Fitzpatrick, Ph.D., Dean of the Graduate School.
Frances C. Beardsley, R.N., Supervisor of Oral Hygiene.
Robert G. Haukohl, A.B., Secretary.
Mary L. Melzer, Registrar of the University.
May Dooley, Bursar of the University.

TRUSTEES

The President, Secretary and Treasurer constitute the Board of Trustees.

FACULTY

Henry L. Banzhaf, B.S., D.D.S., F.A.C.D., Professor of Operative Dentistry.
Frances C. Beardsley, R.N., Supervisor of Oral Hygiene.
William J. H. Benson, D.D.S., Professor of Dental Anatomy.
Maximillian A. Bussewitz, M.A., M.D., Professor of Physiology.
George H. Carter, D.D.S., Director of the Dental Clinic.
LeGrand M. Cox, M.D., D.D.S., Associate Director of the Dental Clinic.
John W. Crawford, D.D.S., Professor of Prosthetic Dentistry.
Matthew N. Federspiel, B.S., D.D.S., M.D., F.A.C.S., F.A.C.D., Professor of Oral Surgery
William Hopkinson, D.D.S., F.A.C.D., Professor of Histology.
Arthur A. Jennings, D.D.S., Professor of Prosthetic Dentistry.
Otto G. Krause, D.D.S., Professor of Prosthetic Dentistry.
Andrew J. Kuhnmuensch, D.D.S., Professor of Dental Pathology and Therapeutics.
Daniel Loughlin, M.D., Professor of Anatomy.
Henry J. Luehring, D.D.S., Assistant Professor of Dental Histology and Embryology.
Frederick C. Mayer, Ph.C., B.S., Professor of Chemistry and Metallurgy.
Harry G. Morton, D.D.S., F.A.C.D., Professor of Preventive Dentistry.
James C. Mortonson, D.D.S., Assistant Professor of Operative Dentistry. (In charge of Gold Inlay Instruction.)
Mort H. Mortonson, D.D.S., Assistant Professor of Operative Dentistry. (In charge of Gold Inlay Instruction.)

William H. Reuter, D.D.S., Assistant Professor of Operative Dentistry.
Arthur F. Rheineck, M.D., Professor of Bacteriology.
Arthur Rohde, B.S., D.D.S., Professor of Orthodontia.
Hugh C. Russell, Ph.G., M.D., Professor of Materia Medica.
Gerald Savage, M.D., Assistant Professor of Anatomy.
Wilfred Seng, B.S., D.D.S., Assistant Professor of Operative Dentistry.
Edward L. Tharinger, M.D., Professor of Pathology.
Harvey M. Uebele, D.D.S., Assistant Professor of Prosthetic Dentistry.
(In charge of Porcelain Instruction).
Ernest F. Wallner, B.S., Assistant Professor of Chemistry and Materia Medica.
Raymond J. Wenker, B.A., B.S., D.D.S., M.D., Associate Professor Oral Surgery.
George W. Wilson, D.D.S., Associate Professor of Operative Dentistry.
Gustave Baumgartner, D.D.S., Clinic Instructor
Erwin P. Baus, D.D.S., Instructor in Prosthetic Dentistry.
William H. Bennett, LL.B., Instructor in Dental Jurisprudence.
James Blackwood, D.D.S., Instructor in Oral Surgery.
Robert Braun, M.D., Instructor in Anatomy.
Edward E. Drosen, D.D.S., Instructor in Prosthetic Dentistry.
Joseph A. Englander, D.D.S., Instructor in Prosthetic Dentistry.
Ansgar E. Hansen, D.D.S., Instructor in Operative Dentistry.
McKinley W. Jambor, D.D.S., Clinic Instructor.
Arthur J. Jessel, D.D.S., Clinic Instructor.
Jorgen P. Justin, D.D.S., Instructor in Dental Histology.
Walter Kelly, D.D.S., Instructor in Prosthetic Dentistry.
Harry Lando, D.D.S., Instructor In Oral Surgery.
William L. MacKedon, B.S., M.D., Instructor in Physiology.
Adelbert J. Noetzel, D.D.S., Instructor in Dental Anatomy.
Timothy W. O'Donovan, A.B., M.D., Instructor in Anatomy.
Wade R. Plater, D.D.S., Instructor in Dental Therapeutics.
Joseph A. Purtell, M.D., Instructor in Physical Diagnosis.
Arthur E. Robinson, B.S., Instructor in Radiology.
Arthur Sandner, D.D.S., Instructor in Preventive Dentistry.
Rhinold E. Schemel, D.D.S., Instructor in Prosthetic Dentistry.
Urban F. Schlaefer, D.D.S., Instructor in Oral Surgery.
Matilda Steinbrecher, B.S., Instructor in Pathology and Bacteriology.
Herbert Strass, M.D., Instructor in Histology.
Harry Watson, D.D.S., Instructor in Prosthetic Dentistry.

DENTAL INTERNES

Oswald M. Dresen, D.D.S.

William H. Remmel, D.D.S.

Alfred J. Horschak, D.D.S.

ASSISTING STAFF

Laura Ambelang, Infirmary Clerk.

Margaret Carney, Assistant to the Secretary.

Alice Strobel, Librarian.

Julia Jahn, R.N., Anesthetist.

Charlotte Lyons, B.S., Diagnosis Laboratory Technician.

Eleanora Caron, Examining Clerk.

Selma Gauerke, Assistant Infirmary Clerk.

Myrtle Brown, Waiting Room Clerk.

Margaret Burke, Sterilizer Attendant.

Marie Waitzmann, Waiting Room Clerk.

COMMITTEES OF THE FACULTY

Course of Study—Doctors Bussewitz, W. Hopkinson and Wilson.

Dental Instruments—Doctors Benson, Jennings and Seng.

Graduate Scholarships—The Dean, the Secretary, and a third member to be chosen before the Committee functions.

Library and Museum—Doctors Kuhnmuensch, Loughlin, and Professor Mayer.

Student Affairs—Doctors Carter and Loughlin, Mr. Haukohl.

THE FIVE YEAR DENTAL COURSE

Plan of the course:

The five year course in dentistry is divided into two periods. The first period, two years in length, is preliminary in character. It gives the student the intellectual training necessary to enter a profession that is a branch of the healing art, as well as instruction in laboratory methods and the sciences upon which dentistry is founded. The second period, three years in length, is devoted to an intensive study of the sciences as applied to dentistry as well as to instruction in technical and clinical dentistry.

Attendance in the pre-dental course in the Marquette University College of Liberal Arts is absolutely necessary for at least one year (the second or sophomore year) in order to qualify for the degree of Bachelor of Science from this College. The student is strongly advised to take the entire course at Marquette University.

A student who takes the two preliminary years at another institution and qualifies for admission will be accepted as a pre-Junior in the dental school, but he will not become a candidate for the degree of Bachelor of Science. It should be stated that the degree of Doctor of Dental Surgery only is necessary for admission to the practise of dentistry. The degree of Bachelor of Science is highly desirable, however, because it represents additional intellectual achievements.

Advantages of the course:

A number of dental schools have announced a five year dental course in which the preliminary period is one year in length and the second period is four years in length. The curriculum adopted by Marquette University has the following advantages over this plan:

- (1) The student by reason of the thorough preparation he receives during the two years of his preliminary course has the mental capacity to get the most from his studies in the sciences related to dentistry. This preparation cannot be acquired in but one preliminary year.
- (2) The fact that the pre-Dental and pre-Medical courses are practically identical and the fact that the Bachelor's degree will be given to a dental graduate as well as to a medical graduate marks the dental graduate possessing such a degree as the intellectual equal of the medical graduate.
- (3) The fact that the dental graduate will possess the Bachelor's degree makes graduate work leading to the graduate degree of Master of Science possible. Thus the dental graduate who desires to specialize after graduation may be rewarded for his graduate work by the Master's degree,—the degree that is usual in other branches of learning.

- (4) The medical student may transfer to the dental course and the dental student may transfer to the medical course with a minimum loss of time. This by reason of the fact that the first two years of either course are practically identical.
- (5) The student's expenses are less. The fees in a College of Liberal Arts are lower than the fees in a professional school.

It should be stated further that the content of the various courses relating directly to dentistry in the plan adopted by Marquette University is practically the same as the content of these same courses in the plan calling for but one preliminary year. The difference between the two courses is one of arrangement only.

BUILDINGS

There are four buildings in which at present the students in the Dental School report for class work. The schedule is so planned that students are seldom required to change from one building to another in mid-morning or mid-afternoon.

The New Dental Building, occupied for the first time in 1922, is devoted entirely to the teaching of dental technology and clinical dentistry. An illustrated booklet, which is published by the Alumni Association and which describes the building in detail, may be had on request.

The new building is situated about 250 feet south of Grand Avenue, with a frontage of 98 feet on Sixteenth Street, and a depth, extending eastwardly, of 185 feet.

The architectural style of the building is Collegiate Gothic of the Tudor period. This style is exemplified in some of the finer institutions of learning in the country. It allows the use of very large window spaces and hence is well adapted for the work in dentistry.

The main entrance is from Sixteenth Street, and is approached by a broad walk and a flight of steps leading to an enriched and dignified stone archway.

The entrance leads through a deep vestibule to a broad stairway which communicates with the upper stories. This entrance also communicates with corridors which lead to the various laboratories and class rooms situated on the ground floor and on the main floor.

The second wing of this building, which will be devoted entirely to preventive dentistry and to a clinic for children, will be erected in the near future. When this wing is completed, the building will have a frontage of 158 feet.

The **Building at Ninth and Wells** which was formerly occupied by the Dental School, is at present used for instruction in Anatomy and major oral surgery.

The **Johnston Hall** at 1115 Grand Avenue, is now used for classes in English, philosophy, mathematics, language and history.

The new **Science Building** which was completed in 1924, is located on the corner of Thirteenth Street and Grand Avenue. This building is a large, four story structure of beautiful Gothic design. Besides the various administration offices, it contains three large graduated auditoria for lectures and demonstrations in the sciences. Spacious quarters are allotted to chemistry, physics, zoology, botany, bacteriology, pathology and histology.

The tower of the building contains the 500 Watt radio broadcasting station, WHAD.

The Gymnasium, located adjoining the Dental building is built in the English Gothic style. The building is 293 feet long and 160 feet wide. The ground floor of the building contains locker rooms, home and visiting team rooms, shower baths, and toilet and wash rooms. The Gymnasium contains a running track suspended from the roof trusses. There are seating accommodations for approximately 2,500 spectators.

LABORATORIES AND EQUIPMENT

The Freshman laboratory, situated on the ground floor of the new dental building, is equipped with an individual work bench for each student. The benches are so arranged with respect to the windows that ideal illumination is secured for the laboratory work. The locker room, the fan room, the mechanical room, a large store-room and a large lavatory are also located on this floor.

The Sophomore and the Junior laboratories are located on the main floor. These laboratories are equipped similarly to the Freshman laboratory except that each student's bench is also provided with compressed air.

The dental clinic and waiting room occupy the entire second floor. The college has 167 dental chairs, each equipped with a fountain cuspidor, compressed air, a saliva ejector, electric lights, gas, instrument and waste container brackets, and attachments for electric dental engines. The clinic is well lighted by means of a saw-tooth roof provided with large sky lights. Only north rays of light are admitted.

The prosthetic clinic contains twelve dental chairs made especially for plaster and impression work. Immediately adjoining is the **clinic technic laboratory**. Each bench in this laboratory is equipped with gas and air outlets and a Ritter lathe. The tops of the benches are made of ebony asbestos. The laboratory is completely equipped with such necessary apparatus as casting machines, ovens, for burning out inlays, plaster boxes, etc.

The sterilization room is equipped with an auto-clave and electric sterilizers with a capacity of thirty sets of instruments at one time. It is in charge of a full time attendant.

The examination room, which is conveniently situated near the waiting room and the clinic, has two chairs. In this room juniors and seniors may find, in a visible index, a complete record of their clinic work. Thus each student is constantly kept aware of the progress he is making.

The office and store room are combined. Here are kept the case files. From this room all dental supplies intended for use in the clinic are dispensed to the students.

The X-ray room is on the third floor. It is provided with two Ritter machines and a complete dark room equipment. It is in charge of a full time roentgenologist.

The porcelain room is equipped with a work-bench and with electric ovens for the baking of porcelain-jacket crowns and porcelain inlays.

The dental clinic pathological laboratory is equipped with microtomes, and the necessary stains, glassware, and materials for making pathological and blood examinations of specimens taken from clinic patients. The laboratory is in charge of a pathologist. A full time technician is employed.

The room for major oral surgery is situated in the Marquette University Hospital. Seats for the accommodation of forty students are provided. The department of oral surgery makes use of all the facilities which the Hospital provides. Patients who have undergone operations are moved to the beds in the hospital where dental students may observe their progress and recovery.

A demonstration room is provided where small groups of students may receive individual and intensive instruction either at the chair or at the technic bench.

The locker rooms contain steel lockers in sufficient number to supply each student with an individual locker.

There are **rest rooms** for women students, faculty members, patients, and employees.

The microscopical laboratory, located in the Science building, has seating accommodations for sixty students. There are in the laboratory sixty microscopes with oil immersion lenses, a lantern for the projection of microscopical slides, a micrometer, a Clev-Dent grinding machine for the making of hard tissue specimens. The College provides for each student complete sets of histological and pathological slides. A large collection of gross pathological specimens is on display in the microscopical laboratory.

The anatomical laboratory contains tables for seventeen human specimens. It is also provided with bone sets, skeletons, and anatomical charts.

The **laboratories of the department of physics** occupy the second floor of the Science building. They are completely equipped with apparatus for experiments usually given in the courses in college physics. In the tower of this building is a radio broadcasting station conducted by the department of Physics. The radiophone is one of the largest and best in the country. A program is broadcasted every Wednesday evening. The department of physics also owns a seismograph of the well known Weichert type.

The **botany and zoology laboratories** are located on the third floor of the Science building. The laboratories, including special technique and research rooms, are equipped for general and specialized work in biology.

The **chemistry laboratories** are located on the fourth floor of the Science building. Provision has been made for the different phases of chemistry, such as the inorganic, the organic, the physical, etc. The equipment is ample enough to accommodate a large number of students. Laboratories for conducting research are equipped with the best apparatus.

Special opportunities in research are offered by all of the science departments.

Four class rooms are used by the dental students. Two of these are provided with projection lanterns.

The **dental library** now contains practically all the best dental text books and a number of the best known periodicals. All are indexed and catalogued. It is in charge of a full time librarian. The school subscribes to twenty dental magazines. These are bound at the end of each year.

Selected books are added each month. Thus a continuous growth is insured, while the student is enabled to become acquainted with the views of the best modern authorities on Dental Science.

Additional library facilities are provided in the science room of the Milwaukee Public Library. This is located on Ninth Street and Grand Avenue, in the immediate vicinity of the University buildings.

THE DENTAL CLINIC

The Dental Clinic is not only of great educational value to the student, it is also a great asset to the City of Milwaukee. Patients who cannot afford to pay the fees of the regular practising dentist come to the Clinic in thousands. A small fee is charged, not for the service given, but merely to cover the cost of materials. Each student has patients sufficient in number to give him a varied and extensive experience.

Thus, an organized plan of instruction is insured. The patient is assigned to a student, and is then conducted to the clinic. The examiner directs the entire treatment. The clinic is divided into zones, each in charge of a member of the faculty who is a specialist. Thus, if the patient requires a denture, the operation is completed in the prosthetic section under a specialist in prosthesis. Zones, or separate clinic rooms, are provided for general operative dentistry, gold foil gold inlay, crown and bridge, dentures, porcelain, minor oral surgery (extraction), major oral surgery, root canal treatment, orthodontia, and pathological or bacteriological diagnosis. Not more than twenty students are under the supervision of any one instructor.

The strictest rules respecting cleanliness are enforced. All instruments must be sterilized in the sterilization room which is in charge of an attendant. Eighteen surgical wash basins with knee control are placed along the sides of the clinic in convenient places for the use of the students. The precautions observed in the clinic to insure ideal working conditions, combined with the complete equipment, the natural lighting arrangement by means of sky-lights in the saw-tooth roof thirty feet above the floor, the efficient system of ventilation, and the careful supervision of the faculty, make the clinic a most attractive place for the many patients who present themselves daily.

STUDENT EXPENSES

Fees.

Fees for freshman and sophomore years:

Matriculation fee (paid once), payable before September 16-----	\$ 10.00
Tuition fee,	
First semester, payable September 15-----	100.00
Second semester, payable February 1-----	100.00
Breakage deposit for chemistry-----	10.00
Breakage deposit for botany, physics, and zoology-----	5.00
Health Service Fee, per semester-----	3.00

Fees for pre-junior, junior and senior years:

*Matriculation Fee,	
Pre-junior year only. Payable before September 29-----	\$ 10.00
Tuition fee,	
First semester, payable September 29-----	145.00
Second semester, payable February 1-----	120.00
Graduation fee,	
Senior year only, payable May 1-----	15.00
Health Service Fee, per semester-----	3.00

*Students entering from the Marquette University College of Liberal Arts will not pay this fee.

No athletic, gymnasium, special breakage (unless specifically mentioned in the preceding lists), or laboratory fees, such as are charged at many other schools, will be charged. Each student will receive admission to all local football contests free of charge. The tuition fee includes gymnasium privileges and membership in the Marquette Union, an organization to which all male students belong. The tuition fee also includes subscription to two University publications, the Marquette Tribune, a weekly newspaper, and the Marquette Journal, a quarterly magazine.

No student will be admitted to classes until fees for the current semester are paid. No exception will be made and students should come prepared.

A student failing to register and pay his fees in full on registration days, will pay a late registration fee of \$2.00.

A student transferring from another dental school is required to pay the matriculation fee.

A fee of \$2.00 per examination payable in advance to the Bursar will be charged each student for whom it is necessary, for any reason whatsoever, to give make-up or condition examinations, or special examinations. A fee of \$2.00 per course will also be charged to students for incomplete courses.

Of the first semester tuition fee, during the pre-junior, junior and senior years, \$5.00 is set aside in a "Breakage Fund." **All unused portions of this fund will be returned to the student at the end of the year.** This fund will be administered by the Secretary of the School with the advice and assistance of student committees, appointed by the students. It is hoped that the entire sum of \$5.00 may be returned to each student. Only those students who are in attendance up to the end of the second semester may share in the division.

A student electing to take optional courses, Dental Clinic 1, or Dental Clinic 4, which are given during the summer months, must deposit a breakage fee of \$5.00. No tuition is charged for these courses.

Expenses

The cost of board ranges from \$5.50 to \$7.00 a week. A single room costs from \$3.50 to \$5.00 a week, while a room with a room-mate costs from \$2.50 to \$4.00. Incidental expenses at Marquette University are somewhat lower than they ordinarily would be, since the fees include a number of these expenses, such as admission to athletic contests, subscription to college publications, and health service.

The student must buy the necessary text books and dental instruments required for each course.

During the junior and senior years, the student constantly adds to his instrument equipment, but this cannot properly be considered a college expense since the instruments are all necessary when the student establishes his office after graduation. A faculty committee is entrusted with the duty of keeping the instrument cost as low as is compatible with good teaching.

HISTORICAL STATEMENT

The College of Dentistry was opened to students on September 26, 1894. At that time, it was conducted as one of the departments of the Milwaukee Medical College. In 1907 the Colleges of Dentistry, Pharmacy, and Medicine, affiliated with Marquette College, and Marquette University was formed. The University later added the departments of Engineering, Law, Journalism, Music, and Business Administration.

In 1912, following the complete reorganization of the College of Medicine, the College of Dentistry which had up to that time been affiliated with Marquette University, became an integral part of the University. The Dental Department of the Wisconsin College of Physicians and Surgeons also became a part of the Dental College at that time.

In 1917, the University purchased two square blocks in the heart of Milwaukee on Grand Avenue, near Sixteenth Street. On this tract the new Dental building and the new gymnasium were erected, both being occupied for the first time in September, 1922. A new Science building was added in 1924.

To the Dental building, will be added a new wing to be used for research and preventive dentistry. As soon as the Board of Trustees decides that an opportune time has arrived, the erection of the new wing will be begun. The new athletic stadium, built in 1924, is located at Thirty-fifth and Clybourn Streets, in the center of one of Milwaukee's public parks. It is planned to seat 48,000 spectators. Twenty thousand seats are now completed.

Marquette University is the second largest institution for higher education in Wisconsin. It has a total enrollment of about 4,800 students, 590 of whom are studying dentistry.

The dental course was increased from three to four years in 1917 and from four to five years in 1924.

RATING OF THE COLLEGE

The college is designated as a Class A Dental School by the Dental Educational Council of America.

STUDENT ORGANIZATIONS

College life must include the development of the social side of every student's character. Marked initiative and leadership in organized religious and social movements for the common welfare of his fellows, are qualities expected of college men generally. For this purpose the University student organizations and activities furnish splendid opportunity.

However, it may be stated, that with regard to all forms of such activities the policy of the faculty has always been that the student's

first duty in college is attention to study, and that no other student activity should be allowed to interfere with his main purpose of University life.

Dental students are encouraged to take an active interest in the University band, the glee club, the orchestra, and the various social, dramatic, literary, debating, and religious organizations. The Marquette Union building provides a meeting place for the students of all of the colleges. The students have state and city organizations so that the students coming from some particular state, for example, Kansas, have formed a social club called the Kansas club.

Dental students are also urged to join the football, basketball, baseball, hockey, boxing, or track squads. The new gymnasium is situated but five hundred feet south of the Dental building. A seven-lap running track and a one hundred yard straight-away track immediately adjoin the Dental building.

The students of the University publish the Marquette Tribune, a weekly newspaper, the Marquette Journal, a quarterly magazine, and the Hilltop, an annual publication.

INTERNESHIPS

The school offers graduate internships each year to the three students of the graduating class who shall be chosen on the basis of scholarship and merit by a faculty committee.

The holders of these scholarships shall be termed honor men at the graduation exercises and shall, among other advantages, be entitled to serve as internes in the dental clinic.

The school does not offer any other scholarships.

ADMINISTRATIVE PROCEDURE

Scholarship

A student's grade of scholarship in each of his subjects is determined by the combined results of examinations and class work.

Above passing

A 93—100, Excellent

B 85— 92, Good

C 77— 84, Fair

D 70— 76, Passed

Below Passing

E 60—69, Conditioned

F 0—59, Failed

I —Incomplete

X—Absent

Inability to pass the first examination for the removal of a condition shall cause the student to be marked failure. A condition that is allowed to stand six months, automatically becomes a failure.

A failure may be removed only by repetition of the course, in part, or entirely.

A student who has deficiencies in more than forty per cent of his course for any semester shall automatically be dropped from the school.

A student may be reported Incomplete, if some small portion of his work remains unfinished, providing his standing in the course has been of grade C or higher. To secure credit, this work must be completed within one month after the beginning of the following semester; otherwise the course will be recorded as of Grade E.

A candidate for a degree must gain not only the number of hour credits required, but his work must reach a certain standard of excellence. In addition to the 144 hour credits necessary for graduation, each student must earn at least 144 credit points, or an average mark in all subjects of C or better.

For a grade of A in a given course, the student will receive three times as many credit points as there are hour credits in any course; for a grade B, twice as many credit points; for a grade C, as many credit points as hour credits; while D gives hour credits but no credit points. For example: A four-hour course in which the student receives A gives twelve credit points; if the grade is B, 8 credit points; if C, 4 credit points.

Promotion

Those students are ranked as Juniors who have at least twenty-nine credit hours and have completed the prescribed courses of the pre-Junior year; Seniors, those who have sixty-five credits and have completed the prescribed courses of the Junior year.

No student will be considered a candidate for graduation if he has any deficiency at the beginning of the second semester of the Senior year.

Attendance

Every student is expected to attend classroom and laboratory exercises regularly and punctually. No cuts are allowed.

Tardiness of less than ten minutes at a class room exercise will count as one-third of an absence; tardiness of ten minutes or more will count as one absence. In the case of absence due to illness, the student must inform the Dean by mail or otherwise on the first day of the absence. In the case of absence due to illness or death of relatives, permission must be obtained in advance from the Dean. In all such cases, an excuse signed by the Dean must be presented by the student to the instructor. All omitted exercises, whether the absence has been excused or not, must be made up within one week after the resumption of college duties as appointed by the instructor whose exercises were omitted, or they will be counted as Failures in determining the student's grade. An excuse for absence does not relieve the student from responsibility for the work of his class during his absence. The responsibility in all cases rests with the student.

MISCELLANEOUS RULES

Concerning Discipline. The educational system employed by the University includes, as one of its most important features, the formation of character. For this reason, the discipline, while considerate, is firm, especially when the good of the student body and the reputation of the institution are concerned.

The school reserves the right to expell any student who does not show the right attitude toward his work, or is objectionable to the faculty because of conduct. The fees of such a student will not be returned.

Special Students. No special students will be accepted by the school.

Women Students Are Accepted. The school is co-educational. Seven women students are enrolled at the present time.

Dental Instruments. Before a student is permitted to begin his work in the laboratories, he is required to procure the necessary instruments.

In the Junior year when the student is ready to take up his practical work in the infirmary clinic, he is required to purchase a complete operative outfit. This same outfit will be used in the Senior year and after graduation, in active practice. A complete instrument list is furnished each student at the time he enters school.

Text Books. Each student is required to provide himself with the text books for each course before being admitted to class. Professors will refuse credit for any course in which a student is not properly provided with text books. Text books may be bought at the book store in the college building.

Students are not allowed to sell their text books to other students. Students are not allowed to buy or use second hand books that they have secured from other students. Means are taken to enforce this requirement. As a result of this enforcement, students who graduate from this school will be possession of a small library of scientific books, a library which is essential for their professional success.

MISCELLANEOUS INFORMATION

Room and Board

The University has no student dormitories. Dental students room in private residences and rooming houses situated in the immediate vicinity of the University. These rooms are examined and approved by a faculty committee. Dental students must select their rooms from the approved list.

There are many restaurants and boarding houses near the Dental college building. Most students take their meals in the cafeteria of the Marquette Union.

Student's Health Service

The University exercises supervision over the health of students. Students must undergo, at entrance, a medical examination. The results of this examination are kept on file. When necessary, appropriate advice is given to the student and parents or guardians are informed.

When indisposed, students may consult the physicians in attendance at the dispensary, where they will receive the attention of the doctors in charge of the various departments. When students are too ill to visit the dispensary, they may call to their residence the physicians of the service and obtain the medical aid which may be required. Cases requiring hospitalization will be cared for in the Marquette University Hospital for a period of two weeks, after which time regular rates will be charged.

All freshman students are required to attend a course in Personal Hygiene. This course is designed to impart such instruction and training as will enable the students to maintain their health under normal conditions. In exceptional circumstances, as during the time of an epidemic, bulletins are issued to warn students of danger and to advise them of the proper precautions.

Rooming and boarding-houses are inspected for their sanitary conditions, and only such as meet the requirements are listed for the patronage of the students. Fraternity houses are subject to similar inspection.

Teeth for Dental Anatomy

In the course in dental anatomy, a great number of teeth is required for the purpose of dissection and study. Any teeth that practicing dentists may see fit to send will be gratefully accepted by Dr. W. J. H. Benson who has charge of the work in dental anatomy. The teeth should be sent to him at 140 Sixteenth Street, Milwaukee. All transportation charges will be paid by the college.

Pre-Juniors should bring with them as many extracted teeth as they can conveniently procure.

Teeth for Operative Technics

In the course in operative technics, a number of teeth preserved in ten per cent formalin solution will be needed. Dentists are asked to preserve teeth in this manner and send them to Dr. Gorge W. Wilson at the college building.

Requirements of State Dental Boards

After a student has graduated from a recognized dental college he must, in order to secure a license to practice dentistry, pass the examinations of the State Board of Dental Examiners in the state where he desires to practice. Some states, Wisconsin among them, allow students who have completed two years of the course to take the examination in chemistry, bacteriology, materia medica, physiology, histology, and anatomy, at the end of the junior year. The student is thus relieved of much unnecessary worry before taking the final examination which is necessary to obtain a license to practice dentistry.

ENTRANCE REQUIREMENTS FOR 1925-26

Candidates for admission to the pre-Junior class in the Dental School are considered in the order of their application and proper filing of credentials. They must present documentary evidence of the successful completion of four years' work in an accredited high school or academy and two years of acceptable work in a recognized college or university, including prescribed subjects as follows:

1. High School or Academy Requirements:

English (three years) -----	3 units
Algebra -----	1 unit
Plane Geometry -----	1 unit
*Language -----	2 units
(Both units must be in the same language)	
History -----	1 unit
Laboratory Science -----	1 unit
**Electives -----	6 units
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Total -----	15 units

2. The Collegiate Requirement:

Two years' work in a recognized college or university, comprising not less than 60 semester hours and 60 honor points, including prescribed subjects as follows:

Inorganic Chemistry -----	8 semester hours
Organic Chemistry -----	4 semester hours
Biology or Zoology -----	8 semester hours
English -----	6 semester hours
Physics -----	8 semester hours
Electives -----	26 semester hours
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Total -----	60 semester hours

Students who have graduated from non-accredited high schools may be admitted on probation according to certain regulations laid down in the bulletin of the College of Liberal Arts.

Matriculation

When the prospective student has made up his mind to attend, he should send in his matriculation fee of \$10.00 by money order, or Milwaukee or Chicago bank draft. A receipt will be sent by return mail. Freshmen should arrive in Milwaukee on September 15 or 16. There is no necessity for coming to Milwaukee before that date.

*A year of science and a year of history or two years of either may be substituted for language, but in this event the student will not be considered a candidate for the degree of Bachelor of Science. Should the student decide to become a candidate for this degree, he may make up the required language units in Summer Session.

**Not more than four units may be presented in the vocational subjects such as agriculture, drawing, shop work, and the commercial subjects. Not more than one unit will be allowed in any one vocational subject.

Entrance credentials of new students should be in the hands of the Registrar by September 15. A blank form for high school credentials is issued by the University. A copy should be secured from the Registrar who will send it upon request. This blank must be filled out and signed by the principal of the high school, or academy, or other preparatory school from which the prospective dental student graduated. It must then be returned to the Registrar.

Admission to Advanced Standing

A student who desires to transfer to this school from another recognized school must present credentials signed by the Dean, Secretary, or Registrar of the school from which he is transferring.

No student who has incurred a condition, an incomplete, or a failure, in any subject at the dental school from which he desires to transfer will be accepted. The transferring student must also have the full preliminary education required of the members of the class which he seeks to enter. No transferring student will be admitted to the senior class.

Students desiring to transfer to the sophomore or junior class should write for a copy of the 1924-25 bulletin in which the four year course (now not open to students beginning the study of dentistry) is described.

REQUIREMENTS FOR DEGREES

Bachelor of Science: Students who have completed the first two pre-dental years of at least sixty semester hours and at least sixty quality points, and one year of gymnasium, and who have completed among the prescribed subjects for this degree at least eight hours of philosophy in Marquette University, may, upon the recommendation of the faculties of the College of Liberal Arts and Dentistry, receive the B.S. degree at the successful completion of the senior year of the dental course.

Candidates for these degrees must obtain not less than thirty-two semester hours in residence in the College of Liberal Arts of Marquette University.

Doctor of Dental Surgery: The degree of Doctor of Dental Surgery is conferred upon the completion of the five year course of study, each year to consist of thirty-two weeks. The candidate must be twenty-one years of age and must possess a good moral character. He must have passed in all branches of the curriculum. He must have secured a mark of C or higher in his Senior clinic work. He must have secured 108 credit points as well as credit for 108 semester hours.

THESIS

Each candidate for the degree of Bachelor of Science is required to present a thesis based as much as feasible upon research work in the Department in which he desires to write his thesis. The topic for investigation or the subject matter for study shall be chosen in the Junior year of the course with the advice and consent of the Dean of the Dental School. All theses must be completed by April 1, of the senior year, and must represent not less than one hundred and twenty-eight hours of work.

The head of the department in which the thesis work is done and two members of the faculty, to be appointed by the Dean, shall constitute a committee to examine and pass upon theses offered for graduation.

Completed theses must be typewritten, according to regulations (directions may be secured through the office of the Dean); and presented to the Dean not later than April 1 of the senior year.

OUTLINE OF FIVE YEAR DENTAL COURSE

Freshman Year

First Semester

	Clock Hrs.	Sem. Hrs.
Inorganic Chemistry 1	119	4
Botany 1	119	4
English 1	51	3
Technical Drawing 1	68	2
Mathematics 1	51	3
Gymnasium	34	0
	442	16

Second Semester

	Clock Hrs.	Sem. Hrs.
Inorganic Chemistry 2	119	4
Zoology 1	119	4
English 2	51	3
Public Speaking 1	34	2
Mathematics 2	51	3
Gymnasium	34	0
	408	16

Sophomore Year

	Clock Hrs.	Sem. Hrs.
Organic Chemistry 8	119	4
Physics 1	119	4
Language	68	4
Psychology 1	68	4
	374	16

	Clock Hrs.	Sem. Hrs.
Organic Chemistry 9	119	4
Physics 2	119	4
Language	68	4
Ethics 2	68	4
	374	16

Pre-Junior Year

	Clock Hrs.	Sem. Hrs.
Prosthetic Technic 1	64	2
Dental Anatomy 1	144	3
Dental Metallurgy 24	48	2
Anatomy 10	288	9
Materia Medica 12	64	2
	608	18

	Clock Hrs.	Sem. Hrs.
Prosthetic Technic 2	144	3
Operative Technic 2	144	3
Histology 12	144	5
Bacteriology 8	144	5
Materia Medica 13	32	2
	608	18

Junior Year

	Clock Hrs.	Sem. Hrs.		Clock Hrs.	Sem. Hrs.
Clinic 2	160	2	Clinic 3	240	3
Crown and Bridge 3.....	240	5	Prosthetic Technic 4.....	112	3
Operative Dentistry 3.....	32	2	Preventive Dentistry 1.....	32	1
Dental Histology 13.....	48	2	Pathology 14	160	5
Physiology 10	160	5	Physiological Chemistry 25.....	48	2
Principles of Surgery			Anesthesia 10	16	1
and Exodontia 9.....	32	2	Physical Diagnosis 12.....	16	1
	672	18	Radiology 14	16	1
			Dental Pathology and		
			Therapeutics 1	32	1
				672	18

Senior Year

	Clock Hrs.	Sem. Hrs.		Clock Hrs.	Sem. Hrs.
Clinic 5	528	8	Clinic 6	528	8
Clinical Pathology 15	64	3	Orthodontia 1	48	2
Operative Dentistry 4.....	32	2	Economics 20 Ethics 21.....	16	1
Oral Surgery 11.....	32	2	Oral Surgery 12.....	32	2
Prosthetic Dentistry 5.....	32	2	Applied Psychology 22.....	16	1
Thesis	--	1	Jurisprudence 20	16	1
			Preventive Dentistry 2.....	32	2
			Thesis	--	1
	688	18		688	18

OPERATIVE DENTISTRY

Dean Banzhaf, Professor Benson, Associate Professor Wilson, Assistant Professors J. Mortonson, M. Mortonson, Doctor Hanson, Doctor Noetzel, Doctor Reuter.

1. Dental Anatomy. The structure, development, characteristics, arrangement, and nomenclature of teeth. First semester. Two hours lecture, seven hours laboratory a week. Three hours credit.

2. Operative Technic. Cavity preparation, filling materials, and the use of dental instruments. Second semester. Two hours lecture, seven hours laboratory a week. Prerequisite: Course 1.

Three hours credit.

3. Operative Dentistry. The principles of operative dentistry studied in conjunction with practical work on the clinic patient. First semester. Two hours lecture a week. Prerequisite: Course 2.

Two hours credit.

4. Operative Dentistry. This course supplements Courses 2 and 3. First semester. Two hours lecture a week. Prerequisite: Course 3.

Two hours credit.

PROSTHETIC DENTISTRY

Professors Krause, Crawford, Jennings, Assistant Professor Uebele, Doctor Baus, Doctor Englander, Doctor Schemel, Doctor Watson, Doctor Justin, Doctor Drosen.

1. Prosthetic Technic. A course in the making of easier forms of artificial dentures. First semester. One hour lecture, three hours laboratory a week. Two hours credit.

2. Prosthetic Technic. A continuation of Course 1. Second semester. One hour lecture, eight hours laboratory a week. prerequisite: Course 1. Three hours credit.

3. Crown and Bridge. A course in the principles and construction of various types of crowns. The porcelain-jacket crown is especially taught. Various forms of bridgework are studied and made in the laboratory. Prerequisite: Course 2. Five hours credit.

4. Prosthetic Dentistry. An advanced course in denture work, carried on in conjunction with the work in the dental clinic. Second semester. One hour lecture, six hours laboratory a week, prerequisite: Course 2. Three hours credit.

5. Prosthetic Dentistry. A continuation of Course 4. First semester. Two hours lecture and demonstration a week. Prerequisite: Course 4. Two hours credit.

DENTAL CLINIC PRACTICE

Professors Carter, Rohde, Jennings, Morton, Benson, Crawford. Associate Professor Cox. Assistant Professors J. Mortonson, M.

Mortonson, Uebele, Seng, Doctor Hanson, Doctor Jambor, Doctor Baumgartner, Doctor Jessel, Doctor Schemel, Doctor Justin, Doctor Blackwood, Doctor Plater.

1. Clinic. Practice upon the patients who present themselves at the dental clinic. A course in preventive, operative, and prosthetic dentistry, lasting six weeks or more which the student may elect to take at any time during the months of June, July, August, or September, preceding his junior year. A total of 180 hours attendance is required in order to receive credit. This course is optional but is recommended. Thirty hours a week for six weeks. Four hours credit.

2. Clinic. Practice upon patients who present themselves at the clinic. Training in preventive, operative, and prosthetic dentistry. First semester. Ten hours clinic a week. Two hours credit.

3. Clinic A continuation of Course 2. Second semester. Fifteen hours clinic a week. Prerequisite: Course 2. Three hours credit.

4. Clinic. A course in all branches of practical dentistry, lasting six weeks or more, which the student may elect to take at any time during the months of June, July, August, or September, preceding his senior year. A total of 180 hours of attendance is required in order to receive credit. This course is optional but it is recommended. It may be required of certain students whose record in Course 3 has been unsatisfactory. Thirty hours a week for six weeks.

Four hours credit.

5. Clinic. Practical training in preventive dentistry, operative dentistry, prosthetics, orthodontia, ceramics, crown and bridge work, exodontia, anesthesia, radiographic technic and dental pathology and therapeutics. First semester, Thirty-three hours a week. Prerequisite: Course 3.

Eight hours credit.

6. Clinic. A continuation of Course 5. Students must receive a grade of C in this course in order to graduate. Second semester. Thirty-four hours a week. Prerequisite: Course 5.

Eight hours credit.

ORTHODONTIA

Professors Rohde and Benson.

1. Orthodontia. The cause, methods of preservation and correction of oral and dento-facial deformities. Second semester. Two hours lecture, one hour laboratory a week.

Two hours credit.

ORAL SURGERY—RADIOLOGY

Professor Federspiel, Associate Professor Wenker, Doctor Lando, Doctor Schlaefer, Doctor Noetzel, Doctor Blackwood, Mr. Robinson.

9. Surgery. A course in the principles of surgery and scientific tooth extraction. First semester. Two hours lecture a week.

Two hours credit.

10. Anesthesia. The properties and administrations of the various types of local and general anesthetics. Second semester. One hour lecture a week.

One hour credit.

11. Surgery. Injuries, abnormalities, and surgical diseases of the mouth, jaw, face and associate parts, illustrated by clinics. First semester. One hour lecture, one clinic a week. Prerequisite: Surgery 9.

Two hours credit.

12. Surgery. A continuation of Course 11. Second semester. One hour lecture, one clinic a week. Prerequisite: Surgery 11.

Two hours credit.

14. Radiology. A course in the exposing, preparation, and interpretation of X-ray films. First semester. One hour lecture, one hour laboratory a week.

PATHOLOGY, BACTERIOLOGY, PREVENTIVE DENTISTRY

Professors Kuhnmuench, Morton, Rheineck and Tharinger, Doctor Strass, Doctor Plater, Doctor Sandner, Doctor Purtell, Miss Steinbrecher

14. Pathology. A study of diseased conditions in body tissues illustrated by gross and microscopical specimens. Second semester. Four hours lecture and quiz, six hours laboratory a week. Prerequisite: Histology 12. Five hours credit.

15. Dental Pathology. The diseases of the teeth and associated parts together with a study of the treatment of such diseases. First semester. Four hours lecture and quiz. Prerequisite: Pathology 14. Three hours credit.

1. Therapeutics. Particular emphasis is placed upon the medication and technic of the filling of root canals. Second semester. One lecture and one clinic a week. One hour credit.

8. Bacteriology. The morphology and biology of bacteria, laboratory methods, sterilization, disinfection, antiseptics, asepsis, animal inoculation, vaccines, and bacteriological investigation. Second semester. Four hours lecture and quiz, five hours laboratory a week. Five hours credit.

1. Preventive Dentistry. The health of the mouth and its preservation in conjunction with a laboratory course in mouth hygiene instrumentation on the manikin head and on the clinic patient. Second semester. One hour laboratory and one hour clinic a week. One hour credit.

2. Preventive Dentistry. A continuation of Course 1. Second semester. Two hours lecture a week. Prerequisite: Preventive Dentistry 1. Two hours credit.

12. Physical Diagnosis. Physical diagnosis, especially in its relation to the administration of anesthetics is considered. Second semester. One hour lecture and demonstration a week. One hour credit.

ANATOMY

Professors Loughlin, Hopkinson, Rheineck, Assistant Professors Savage Luehring, Doctor Strass, Doctor O'Donovan, Doctor Braun, Doctor Justin, Miss Steinbrecher.

10. Anatomy. Anatomy of the human body. Dissection of the extremities, the thorax, the abdomen and the head and neck. Eighteen hours lecture and laboratory a week. First semester.

Nine hours credit.

12. Histology. The minute anatomy of the body tissues. Second semester. Four hours lecture and quiz, five hours laboratory a week. prerequisite: Anatomy 10.

Five hours credit.

13. Histology. The minute anatomy of the tissues of the teeth. First semester. One hour lecture and quiz, two hours laboratory a week. Prerequisite: Histology 12.

Two hours credit.

PHYSIOLOGY—MATERIA MEDICA

Professors Bussewitz and Russel, Assistant Professor Wallner, Doctor MacKedon.

10. Physiology. The functions of the body structures, their composition, operation, and their inter-relations. First semester. Four hours lecture and quiz, six hours laboratory and demonstration a week.

Five hours credit.

12. Materia Medica. The classification, composition, compounding properties and action of drugs and medicines. First semester. Three hours lecture and quiz, one laboratory hour a week.

Two hours credit.

13. Materia Medica. A continuation of Course 12. Second semester. One lecture and quiz, one laboratory a week. Prerequisite: Materia Medica 12.

Two hours credit.

CHEMISTRY—METALLURGY

Professor Mayer, Assistant Professor Wallner.

24. Dental Metallurgy. A study is made of the properties of metals and compounds used in dentistry. One hour lecture, two hours laboratory a week. First semester.

Two hours credit.

25. Physiological Chemistry. The properties and compositions of the body fluids and secretions. The reactions and properties of substances that enter into the composition of food. Second semester. One hour lecture, two hours laboratory a week.

Two hours credit.

MISCELLANEOUS COURSES

Dean Banzhaf, Professor O'Gorman, Doctor Drosen, Mr. Bennett.

20. Economics. The business requirements for professional success in dentistry. Second semester. Eight lectures.

One-half credit.

21. Ethics. The ethical questions involved in the practice of dentistry. Second semester. Eight lectures.

One-half credit.

22. Psychology. A brief course in psychology as applied to the practice of dentistry. Second semester. One hour a week.

One hour credit.

20. Jurisprudence. A study of the legal questions involved in the practice of dentistry. First semester. One hour a week.

One hour credit.

FIRST AND SECOND YEAR COURSES

1. Inorganic Chemistry. Lectures, recitation and laboratory. The fundamental laws and theories. The chemistry of the non-metallic elements.

Four hours credit.

2. Inorganic Chemistry. Lectures, recitation and laboratory. Continuation of Course 1. The chemistry of the metallic elements. Laboratory qualitative analysis. Prerequisite: Chemistry 1.

Four hours credit.

8. Organic Chemistry. Lectures, recitations and laboratory. The chemistry of the aliphatic compounds. Prerequisite: Chemistry 1 and 2.

Four hours credit.

9. Organic Chemistry. Lectures, recitation and laboratory. The chemistry of the aromatic compounds. Prerequisite: Chemistry 8.

Four hours credit.

1. Rhetoric and Composition. A course in the essentials of Rhetoric and in the various modes of composition. Required of Freshmen who are deficient in the theory and practice of correct English.

Three hours credit.

2. Advanced Rhetoric. A systematic course based on textbooks, in the theory of rhetoric, the study of style, and the requisites of the various species of writing. Required of Freshmen.

Three hours credit.

1-2. Fundamentals of Speech. Elementary speech course; elimination of mannerisms; voice training; mastery of body; conversation, reading and public address. Extemporaneous speaking.

Two hours credit.

1. Botany. A general and introductory course in botany. This course includes a study of the plant, its gross and minute structure; the study of all life processes of the plant and its relation to its environment; the study of the cell, and cell and nuclear division; a complete evolutionary series; and special studies of flowers, fruits, seeds and seedlings.

Four hours credit.

1. General Zoology. A study of typical examples of the great animal divisions anatomically and physiologically. A study of the fundamental properties of animals, their structures, functions, classification, habits, life histories, and evolution. The forms selected for study illustrate the chief principles and generalizations of zoology. Special attention is given to parasitic forms. Four hours credit.

3. Psychology. A thorough summary of the important questions in philosophy. The first part of the course comprises a compendious consideration of the laws of reasoning, the psychology of sensation and rational psychology. Not open to freshmen. Accepted as philosophy requirement for the B. S. in Dentistry or Medicine only. Four hours credit.

4. Ethics. A continuation of Course 3. Includes a discussion of the fundamental principles of ethics, the nature of morality and the moral act, the distinction between the moral good and evil, the moral law, conscience, rights and duties. The duties to ourselves and others, rights of ownership, rights and duties of domestic and civil society. Not open to freshmen. Accepted as philosophy requirement for the B.S. in Dentistry and Medicine only. Four hours credit.

1. College Physics. Mechanics, wave motion, sound and heat. This course must be preceded or accompanied by a course in plane trigonometry. Lectures, experimental demonstrations and recitations, three hours a week. Laboratory, two periods a week. Four hours credit.

2. College Physics. A continuation of Physics 1. Light, magnetism, and electricity. Lectures, experimental demonstrations and recitations, three hours a week. Laboratory, two periods a week. Four hours credit.

1. College Algebra. After a brief review of the foundations, the following topics are treated: variable and functions, linear and quadratic equations, determinants, logarithms, complex numbers, binomial theorem, undetermined coefficients, theory of equations, graphic methods, introduction to series. Prerequisite: Entrance Algebra, 1 1-2 units; Plane Geometry, 1 unit. Three hours credit.

2. Trigonometry. The six elementary functions, goniometry; solutions of right and oblique triangles; graphs and solutions of trigonometric equations; use of formulas for spherical triangles. Prerequisite: Entrance Algebra, 1 1-2 units, Plane Geometry, 1 unit. Three hours credit.

15. Drawing. Lettering, shading, dental charts. First semester. Four hours laboratory a week. Two hours credit.

Languages. The usual college courses in Latin, French, German, and Spanish are offered.

GRADUATE SCHOOL

FACULTY

The following members of the Faculty of the Medical School are associated with the Dental School Faculty in giving graduate instruction:

Edward F. Barta, B.S., M.D., Associate Professor of Pathology.

Eben J. Carey, M.S., D.Sc., Professor of Anatomy.

Johann Grill, M.D., Associate Professor of Bacteriology.

Edward L. Miloslavich, M.D., Professor of Bacteriology and Pathology.

Percy F. Swindle, M.A., Ph.D., Professor of Physiology.

ANNOUNCEMENT

In announcing the establishment of a graduate school in connection with the Dental School, the Trustees of Marquette University feel that they have taken a much needed step. Graduate dentists are given the opportunity to earn the Bachelor's and the Master's degree in Science by means of graduate study. The courses leading to the Bachelor's degree are intended for dentists who are in possession of the degree of Doctor of Dental Surgery only; the courses leading to the degree of Master of Science are intended for those dentists already in possession of the Bachelor's degree.

An examination of the courses that are offered will disclose the fact that the graduate work is not all similar to the short courses for dentists that have been offered at Marquette University and elsewhere in the past.

Marquette University cordially invites graduates of dental colleges holding membership in the American Association of Dental Schools to take advantage of this opportunity. It is expected that the classes will be small so that each graduate student will be assured of the individual attention so necessary for this work.

GENERAL INFORMATION

The second session will begin October 1, 1925. Students should be on hand to register on September 29 or 30.

New students will not be accepted at the beginning of the second semester. A student may, however, discontinue his course at the end of the first semester and return at some future time at the beginning of any succeeding second semester.

CHARACTER OF GRADUATE WORK

Students engaged in graduate work should realize that their studies are expected to be free from the methods of undergraduate work. Students should persistently work to develop a spirit of genuine inter-

est and independence and so replace mere formal requirements with positive achievement and the development of creative and progressive efficiency.

Graduate work is done under the supervision of the Dean of the Graduate School and is subject to such further regulations as are in keeping with the purpose of graduate work.

THESIS

The subject of the student's thesis must be approved and filed with the Dean not later than the first of December and the thesis itself must be filed not later than the first day of May. The thesis must be prepared according to a prescribed form and a copy must be furnished to the University library.

EXAMINATIONS FOR MASTER'S DEGREE

A candidate for the Master's degree must pass an oral examination given on an appointed date during the latter part of May in addition to the written examination required in each course. The examination will be conducted by a committee of not less than three members of the Faculty. A majority vote is required for approval.

The Master's degree will not be awarded to any student who does not secure a grade of B or higher in all the work for the degree.

TUITION AND FEES

Matriculation fee, payable before September 28.....	\$ 10.00
Tuition fee:	
First semester, payable September 28.....	175.00
Second semester, payable January 31.....	160.00
Health service fee, per semester.....	3.00
Graduation fee	25.00

No special breakage or laboratory fees are charged. Each student will receive admission to all local football contests free of charge. The tuition fee also includes subscriptions to two University publications, the Marquette Tribune, a weekly newspaper, and the Marquette Journal, a quarterly magazine. Of the first semester tuition fee, \$5.00 per student is set aside in a "Breakage Fund." All unused portions of this fund will be returned to the students at the end of the year.

A complete statement concerning the health service, to which all students are entitled, is found in the undergraduate section of this bulletin.

Graduates of Marquette University need not pay the matriculation fee.

ADMISSION REQUIREMENTS

In order to be admitted to the Graduate School in Dentistry, the student must submit credentials proving that:

- (1) He is a graduate of a high school giving a four-year course beyond the eighth grade of the elementary school.
- (2) He is a graduate of a dental college holding a membership in the American Association of Dental Schools.

The candidate for admission must show evidence that he is a member of the American Dental Association. It should be noted that a graduate of the dental college who is not also an actual graduate of a four-year high school cannot be admitted as a candidate for a degree.

REQUIREMENTS FOR DEGREES

Bachelor of Science in Dentistry.—The degree of Bachelor of Science in Dentistry is conferred upon the satisfactory completion of one year of work as outlined in this announcement. The candidate must have made at least an average record of C (77 to 84) in his course.

Master of Science in Dentistry.—The degree of Master of Science in Dentistry is conferred upon the candidate who already holds the degree of Bachelor of Science from Marquette University or from another institution of approved standing upon the satisfactory completion of one year of work as outlined in this announcement. The Master's degree is also conferred upon the candidate who completes an additional year of advanced work, after having received the degree of Bachelor of Science in Dentistry. All of the usual oral examinations as described in the bulletin of the College of Liberal Arts must be complied with. The candidate must have a record of B (85 to 92) in each course.

COURSES

Four curriculums are offered: curriculum 1, in oral surgery; curriculum 2, in orthodontics; curriculum 3, in prosthodontics; and curriculum 3, in preventive dentistry. The student must choose one of the four curriculums. No electives within the curriculum are permitted.

Courses	Clock Hours	Semester Hours	Curriculum 1. Oral Surgery	Curriculum 2. Orthodontics	Curriculum 3. Prosthodontics	Curriculum 4. Preventive Dentistry
Anatomy—Head and Neck-----	432	10	Required	.....	.....	.....
Neurology -----	108	4	Required	.....	.....	.....
Histology -----	135	4	Required	.....	.....	.....
Embryology -----	108	3	Required	.....	.....	.....
Physiology and Dietetics-----	50	1	.....	Required	Required	Required
General and Special Pathology-----	306	8	.....	Required	Required	Required
Histo-pathology -----	90	2	.....	Required	Required	Required
Bacteriology and Sero-immunology-----	210	4	.....	Required	Required	Required
Major and Minor Oral Surgery-----	164	4	.....	Required	Required	.....
Surgical Pathology and Principles of Surgery-----	209	3	Required	.....	.....	.....
Anesthesia -----	80	1	Required	.....	.....	.....
Radiology -----	64	1	Required	.....	.....	.....
Orthodontics -----	300	7	.....	Required	Required	.....
Orthodontics -----	32	1	.....	.....	.....	.....
Prosthodontia -----	80	2	.....	Required	.....	.....
Prosthetic Restorations -----	220	4	.....	.....	Required	.....
Principles and Mechanics of Occlusion-----	128	4	.....	.....	Required	.....
Dental Pathology -----	142	3	.....	.....	.....	Required
Clinical Microscopy -----	54	2	.....	.....	.....	Required
Clinical Microscopy Practice-----	128	2	.....	.....	.....	Required
Preventive Dentistry -----	106	3	.....	.....	.....	Required
Thesis -----	---	4	Required	Required	Required	Required
			1,200 clock hours 32 semester hours	1,200 clock hours 32 semester hours	1,200 clock hours 32 semester hours	1,200 clock hours 32 semester hours

**COURSE FOR
DENTAL HYGIENISTS**

COURSE FOR DENTAL HYGIENISTS

The Wisconsin state legislature in 1921 provided for the licensing of dental hygienists. Accordingly, Marquette University announces a course leading to a certificate which will qualify young women to teach mouth hygiene in schools and in industrial establishments.

This profession offers excellent opportunities to any capable young women who enter it at the present time.

The Wisconsin law provides that the candidate for the licensing examination must be a graduate of a reputable school for dental hygienists, and which offers a course of not less than eight months.

The Wisconsin State Board examination consists of written tests in anatomy, histology, physiology, bacteriology, dental pathology, preventive dentistry and also a practical demonstration in dental hygiene.

The Wisconsin law provides that dental hygienists may remove calcareous deposits, accretions and stains from exposed surfaces of the teeth. Such certified dental hygienists may be employed by boards of education of public or private schools, county boards, boards of health, or by public or charitable institutions, operating only under the general supervision of one or more licensed dentists. Under certain restrictions they may also be employed in dental offices.

Marquette University organized its courses for Dental Hygienists in October, 1923. A total of eighteen was enrolled in the first class. Sixteen students were enrolled during 1924-25.

STUDENTS' EXPENSES

Fees

Matriculation fee, payable before September 28-----	\$ 10.00
Tuition fee:	
First semester, payable September 28-----	100.00
Second semester, payable January 31-----	70.00
Health service fee, per semester-----	3.00
Graduation fee -----	15.00

No special breakage or laboratory fees are charged. Each student will receive admission to all local football contests free of charge. The tuition fee also includes subscriptions to two University publications, the Marquette Tribune, a weekly newspaper, and the Marquette Journal, a quarterly magazine.

All regulations concerning late registration fees, and fees for make-up or condition examinations, applying to dental students, apply also to students in the dental hygienists' course.

Of the first semester tuition fee, \$5.00 per student is set aside in a "Breakage Fund." **All unused portions of this fund will be returned to the students at the end of the year.** The fund will be administered by the Secretary of the College with the advice and assistance of

student committees, appointed by the students. It is hoped that the entire sum of \$5.00 may be returned to each student. Only those students who are in attendance up to the end of the second semester may share in the division.

A complete statement concerning the health service, to which all students are entitled, is found in the regular dental bulletin.

Expenses	
Books	\$20.00
Uniforms	12.00
Instruments and Supplies	55.00

GENERAL INFORMATION

The dates for registration, holidays, and graduation are the same as those of the Dental School.

All rules concerning attendance, promotion, and scholarship, and all miscellaneous rules applying to dental students likewise apply to students in this course.

New students will not be accepted at the beginning of the second semester.

Work completed in the course for dental hygienists cannot be transferred for credit toward the dental course. After taking the dental hygienists' course, five years are required to complete the dental course.

ADMISSION REQUIREMENTS

Women students, only, will be accepted.

In order to be admitted, the student must be a graduate of a high school or academy that requires for graduation the completion of a four year course of at least fifteen units beyond the eighth grade of the elementary school.

CERTIFICATE

A certificate will be issued to those students who satisfactorily complete the course of eight months.

OUTLINE OF COURSE

First Semester		Second Semester	
	Hours		Hours
Pathology 18	32	Pathology 19	32
Physiology and Anatomy 12	48	Physiology and Anatomy 13	48
Oral Hygiene 7	32	Preventive Dentistry 5	32
Tooth Morphology 9	76	Pharmacology 14	12
School Hygiene 8	16	Dietetics 9	48
Ethics 21	12	Bacteriology 11	48
Chemistry 27	30	Histology 18	20
Bacteriology 10	48	Surgical Assisting 13	12
Histology 17	20	Mouth Diagnosis 9	12
Instrumentation 9	60	Clinic 8	204
Clinic 7	60	Sterilization 1	12
Malocclusion 10	3	Radiology 15	12
Drawing 16	48		
Prosthetic Technic 10	12	Total	492
Total	497		

CURRICULUM

Oral Hygiene 7—Instruction in oral hygiene and patient management. Two hours lecture a week. First semester.

Preventive Dentistry 5—The health of the mouth and its preservation. Two hours lecture a week. Second semester.

Instrumentation 9—A course in the use of the instruments used in prophylaxis.

Clinic 7—Practice in prophylaxis of teeth of patients who present themselves in the dental clinic.

Clinic 8—A continuation of course 7.

School Hygiene 8—A study of the diseases prevalent among school children. One hour lecture a week. First semester.

Tooth Morphology 9—The characteristics, arrangement, and nomenclature of teeth, taught by means of lectures and tooth carving. Seventy-six hours. First semester.

Dietetics 9—A course in the relationship of the diet to the development and health of the teeth. Two hours lecture with one hour laboratory a week. Second semester. Prerequisite: Chemistry 27.

Mouth Diagnosis 9—A course in detecting and recording diseases of the mouth and teeth. Twelve hours a semester. Second semester.

Malocclusion 10—A brief series of lectures on the problem of malocclusion.

Sterilization 1—Students are taught the importance and technic of instrument sterilization. Twelve hours. Second semester.

Surgical Assisting 13—Students are instructed in assisting in oral surgery. Twelve hours. Second semester.

Chemistry 27—A brief study of chemistry with laboratory demonstrations. Twenty hours. First semester.

Prosthetic Technic 10—Practical instruction in prosthetic technic to the end that hygienist may be able to assist a graduate dentist in this work, should she be employed by a dentist. Twelve hours. First semester.

Bacteriology 10—A study of the various pathogenic organisms, especially those connected with dental diseases. Two hours lecture, one hour laboratory a week. First semester.

Bacteriology 11—A continuation of course 10. Two hours lecture, one hour laboratory a week. Second semester. Prerequisite: Bacteriology 10.

Histology 17—A brief course in the elements of dental histology. One hour lecture a week with laboratory. First semester.

Histology 18—A continuation of course 17. One hour lecture a week with laboratory. Second semester. Prerequisite: Histology 17.

Physiology and Anatomy 12—A course in physiology given in conjunction with a brief course in anatomy. No dissection is required. Three hours lecture and quiz a week. First semester.

Physiology and Anatomy 13—A continuation of course 12. Three hours lecture and quiz a week. Second semester. Prerequisite: Physiology 12.

Pathology 18—A brief course in dental pathology. Two lectures a week. First semester.

Pathology 19—A continuation of course 18, with the addition of instruction in the detection of oral diseases in the laboratory. Two hours lecture, one hour laboratory a week. Second semester. Prerequisite: Pathology 18.

Pharmacology 14—The study of properties and action of drugs used in dentistry. One hour lecture a week. Second semester.

Ethics 21—A brief course in the principles of ethics. Eight hours lecture. First semester.

Radiology 15—A course in exposing and developing X-ray films. Twelve hours. Second semester.

Drawing 16—The preparation of charts relating to oral hygiene. Three hours a week. First semester.

GRADUATES

The Dental School has 1,425 graduates. The list has become too cumbersome to print in the bulletin each year. A complete record of the names and addresses of the graduates is kept in the office of the registrar. Address the School for information concerning the location of the graduates.

ALUMNI ASSOCIATION

The Alumni Association of the Dental School gives a three day clinic each year to which all reputable dentists are invited. In February, 1924, over 1,400 dentists from Wisconsin and the surrounding states attended this clinic.

OFFICERS FOR 1924-1925

President, Doctor Wm. J. H. Benson, 530 Grand Avenue, Milwaukee.
Vice-President, Doctor Clayton F. Wermuth, 444 Milwaukee Street.
Treasurer, Doctor Arthur A. Jennings, 140 Sixteenth Street.
Secretary, Doctor John V. Sengpiel, 695 Astor Street.

BOARD OF DIRECTORS

Doctor Harold Poser, Doctor Arthur C. Rohde, Doctor Wm. H. Reuter,
Doctor Adelbert J. Noetzel, Doctor Jorgen P. Justin.

STUDENT REGISTER

GEOGRAPHICAL DISTRIBUTION OF DENTAL STUDENTS

Wisconsin	410	Missouri	2
Michigan	53	Washington	1
Minnesota	39	Florida	1
North Dakota	20	Alabama	1
Illinois	16	Massachusetts	1
Iowa	13	New Jersey	1
South Dakota	7	Pennsylvania	1
New York	7	Tennessee	1
Montana	5	Alaska	1
Indiana	4	Costa Rica	1
Kansas	3	Guatemala	1
Ohio	3	Korea	1
Connecticut	2	Roumania	1
Total	596	students	

STUDENT REGISTER—DENTAL SCHOOL

Freshmen—Class 1928

Name	Home Address	Name	Home Address
Adamson, J. H.	Kenosha, Wis.	Goick, S. J.	Red Granite, Wis.
Atkinson, D. C.	Beloit, Wis.	Goldsmith, J. M.	Detroit, Mich.
Babka, L. E.	Duluth, Minn.	Gordon, Herman	Chisholm, N. D.
Barrock, Abe.	Milwaukee, Wis.	Gordon, R. J.	Sturgeon Bay, Wis.
Blakeslee, R. G.	Duluth, Wis.	Grant, L. A.	Milford, Mich.
Brandenburg, H. W.	Manitowoc, Wis.	Greenya, E. R.	Milwaukee, Wis.
Brazeau, J. D.	Waukesha, Wis.	Guzinski, P. J.	Detroit, Mich.
Brown, G. R.	Hot Springs, S. D.	Hammersberg, R. E.	LaCrosse, Wis.
Bryant, C. G.	Calumet, Mich.	Hanna, S. V.	Axtell, Kans.
Burger, J. M.	Hollister, Wis.	Hart, J. M.	Chippewa Falls, Wis.
Campbell, H. C.	Elkton, Mich.	Hefty, R. R.	Monroe, Wis.
Carlson, Floyd H.	Menominee, Mich.	Hein, H. W.	Milwaukee, Wis.
Casey, J. A.	New Richmond, Wis.	Heinen, F. J.	Freeport, Ill.
Chandler, A. H.	Waupaca, Wis.	Hellum, Edgar	Stoughton, Wis.
Christiansen, C. L.	Manitowoc, Wis.	Holland, H. L.	Pekin, Ill.
Clancy, B. J.	Merrill, Wis.	Hoxie, P. A.	Ludington, Mich.
Clark, G. W.	West Salem, Wis.	Joyce, R. T.	Geraldine, Mont.
Cleveland, W. R.	Madison, Wis.	Karel, Leonard	Waupun, Wis.
Collipp, A. H.	Portage, Wis.	Karmilowicz, M. A.	Indiana Harbor, Ind.
Cooper, C. A.	Milwaukee, Wis.	Kearney, M. P.	Hibbing, Minn.
Costello, T. L.	Chicago, Ill.	Kelly, C. B.	Aberdeen, S. D.
Cox, T. S.	Knoxville, Tenn.	Kelly, E. T.	Bay City, Mich.
Creen, J. C.	Bay City, Mich.	Kelly, J. J.	Chicago, Ill.
Cunningham, E. D.	Stanley, Wis.	King, G. V.	Princeton, Wis.
Dahlk, A. J.	Middleton, Wis.	Klauser, Fred B.	Dubuque, Iowa
Dainko, E. A.	Stephenson, Mich.	Klemme, O. R.	Stratford, Wis.
Dallman, W. H.	Waterloo, Wis.	Komoroske, F. A.	Mishicot, Wis.
Davidson, J. R.	Berlin, Wis.	Kocovsky, E. C.	Milwaukee, Wis.
DeLarye, W. L.	Rockford, Ill.	Kraus, E. E.	Ellsworth, Wis.
Donnelly, A. J.	Muskegon, Mich.	Kurth, Charles R.	Channing, Mich.
Dudek, S. A.	Dunkirk, N. Y.	Ladwig, L. M.	Ripon, Wis.
Dunn, R. G.	Canton, Ill.	Laessig, H. L.	Stratford, Wis.
Ernster, A. G.	Dyersville, Iowa	Lambert, C. P.	Des Plaines, Ill.
Ewers, S. H.	Richland Center, Wis.	Lehman, A. W.	Rochester, Wis.
Felton, Carl	Sheboygan, Wis.	LeVasseur, H. A.	Bay City, Mich.
Flannery, J. M.	Scranton, Pa.	Lochowitz, F. E.	Racine, Wis.
Foley, C. J.	Dorchester, Wis.	Longo, F. A.	West Haven, Conn.
Foley, P. J.	Eden Valley, Minn.	Loughrin, R. L.	New London, Wis.
Foss, E. L.	Oconomowoc, Wis.	Majchrzak, E. E.	Milwaukee, Wis.
Fox, H. R.	Spring Valley, Wis.	Marsh, R. I.	Milwaukee, Wis.
Frappier, A. C.	Highland Park, Mich.	Mechelke, C. L.	Biramwood, Wis.
Freedman, H. J.	Sault Ste. Marie, Mich.	Metzler, W. F.	Milwaukee, Wis.
Frentzel, R. A.	Milwaukee, Wis.	Molina, Hector	Quatemala, Cent. Amer.
Frey, W. C.	Fox Lake, Wis.	Moriarty, J. A.	Iona, Minn.
Funke, W. H.	Milwaukee, Wis.	Mueller, Bernard L.	Plymouth, Wis.
Gaffney, J. E.	Basco, Wis.	Mueller, C. C.	Marquette, Mich.
Gagne, E. O.	Park Falls, Wis.	McCarthy, H. W.	Lime Ridge, Wis.
Gardetto, C. J.	Milwaukee, Wis.	McCully, G. J.	Manitowoc, Wis.
Gengler, J. C.	Milwaukee, Wis.	Nachazel, D. P.	Muscoda, Wis.

Name	Home Address	Name	Home Address
Newgard, G. W.	Grafton, N. Dak.	Smith, J. A.	Phillipsburg, Mont.
Noltner, W. M.	Waunakee, Wis.	Smith, L. J.	Rockford, Ill.
Nolting, E. F.	Devils Lake, N. Dak.	Smith, M. W.	Phillipsburg, Mont.
Novakoski, B. W.	Meriden, Conn.	Solensky, F. G.	Wilkesbarre, Pa.
Odegard, H. E.	Kittitas, Wash.	Staudt, C. E.	Marble Rock, Iowa
O'Donnell, C. J.	Hilbert, Wis.	Stearns, R. H.	Omro, Wis.
Olsen, O. C.	Holman, Wis.	Stillman, J. C.	Appleton, Wis.
Ottaway, J. G.	Milwaukee, Wis.	Stratton, A. L.	Farley, Iowa
Owen, J. W.	Racine, Wis.	Sutton, G. P.	Milwaukee, Wis.
Peters, K. W.	Elsie, Mich.	Sweeney, J. G.	Parkston, S. D.
Pezoldt, H. C.	Kiel, Wis.	Sweum, G. O.	Deer River, Minn.
Pinter, E. C.	Stanley, Wis.	Tasto, L. H.	Madison, Wis.
Pohland, C. P.	Sheboygan, Wis.	Taylor, H. H.	Topeka, Kans.
Pope, R. C.	Madison, Wis.	Thompson, J. H.	Coon Valley, Wis.
Portman, G. D.	Ladysmith, Wis.	Taylor, J. A.	Templeton, Wis.
Price, G. L.	Negaunee, Mich.	Tickler, L. J.	Belfield, N. Dak.
Priske, L. J.	Princeton, Wis.	Townsend, E. A.	La Crosse, Wis.
Purcell, E. J.	Grand Forks, N. Dak.	Turner, Aldrich	Talladega, Ala.
Reardon, F. C.	Hurley, Wis.	Van Patter, D. J.	Glen Flora, Wis.
Redmond, J. T.	Ashland, Wis.	Vizina, R. J.	Afton, Mich.
Reese, H. E.	Dodgeville, Wis.	Wadas, J. J.	East Chicago, Ind.
Reilly, R. C.	Dubuque, Iowa	Wendel, A. S.	Random Lake, Wis.
Reinert, A. J.	Cleveland, Wis.	Weix, F. A.	Colby, Wis.
Rifleman, C. E.	Stratford, Wis.	Wheeler, D. D.	Madison, Wis.
Rindfleisch, M. H.	Milwaukee, Wis.	Wheelock, C. J.	Pierre, S. D.
Ritger, W. J.	Wausau, Wis.	White, I. T.	Mineral Point, Wis.
Roche, L. V.	Harmony, Minn.	Wick, W. W.	Sheboygan, Wis.
Rottman, Samuel	Milwaukee, Wis.	Wich, L. S.	Tonawanda, N. Y.
Ryall, L. E.	Dodgeville, Wis.	Wiesner, E. J.	Casco, Wis.
Russell, R. R.	Weyauwega, Wis.	Williams, J. M.	Milwaukee, Wis.
Saks, S. H.	Superior, Wis.	Witcpalek, L. G.	Algoma, Wis.
Sanborn, J. E.	Milwaukee, Wis.	Witcpalek, R. M.	Algoma, Wis.
Schloemilch, E. C.	Milwaukee, Wis.	Witte, C. A.	Wisconsin Rapids, Wis.
Schmitz, W. A.	Waunakee, Wis.	Woolley, T. H.	Boscobel, Wis.
Schutte, E. H.	Sheboygan, Wis.	Wonn, M. C.	Dodgeville, Wis.
Schulman, S. D.	Detroit, Mich.	Yager, L. E.	Detroit, Mich.
Seeley, L. J.	Anchorage, Alaska	Zimmerman, A. F.	Hartford, Wis.
Shansky, L. I.	Milwaukee, Wis.	Zeis, A. G.	St. Cloud, Minn.
Sheridan, G. D.	Kendalls, Wis.		

Sophomores—Class 1927

Name	Home Address	Name	Home Address
Adamczyk, J. M.	Jackson, Mich.	Garling, M. A.	Glenbeulah, Wis.
Anhalt, Hilarie P.	Sheboygan, Wis.	Gerlach, L. A.	Milwaukee, Wis.
Baebler, W. V.	Monticello, Wis.	Gill, R. T.	Reedsville, Wis.
Bahl, Frederick H.	So. Milwaukee, Wis.	Gittens, L. W.	La Crescent, Minn.
Bassman, A. H.	Kishneff, Roumania	Goggin, James W.	Milwaukee, Wis.
Bleier, H. R.	Hudson, Wis.	Goodman, B. F.	Ishpeming, Mich.
Boyd, D. J.	Waukesha, Wis.	Goodwin, O. A.	Pella, Wis.
Boyle, F. G.	Bark River, Mich.	Goral, R. J.	Milwaukee, Wis.
Burns, V. W.	Austin, Minn.	Greiner, G. D.	North Milwaukee, Wis.
Busch, Anthony	Mankato, Minn.	Griffin, J. P.	Owatonna, Minn.
Caplan, William	Brooklyn, N. Y.	Halberstadt, H. J.	Kenosha, Wis.
Casey, E. E.	Milwaukee, Wis.	Hambach, R. W.	Milwaukee, Wis.
Clark, Wayne J.	Kenosha, Wis.	Hanneman, Leland J.	Milwaukee, Wis.
Clemens, Charles C.	Oshkosh, Wis.	Henschel, A. W.	Sturgeon Bay, Wis.
Clemens, James I.	Durand, Wis.	Hering, Russell A.	Cross Plains, Wis.
Collins, J. B.	Ishpeming, Mich.	Herte, E. J.	Milwaukee, Wis.
Conway, L. W.	Milwaukee, Wis.	Hill, E. L.	Pine Island, Minn.
Craine, D. R.	Antigo, Wis.	Hoppe, H. O.	Milwaukee, Wis.
Daniel, G. D.	Milwaukee, Wis.	Hornak, A. J.	Milwaukee, Wis.
Davidson, I. J.	Soldiers Grove, Wis.	Ison, L. A.	Crandon, Wis.
Donahue, N. P.	Spring Valley, Wis.	Jones, R. D.	Wales, Wis.
Dubin, L. R.	Waupun, Wis.	Junion, M. J.	Green Bay, Wis.
Dummer, F. W.	Gibson, Minn.	Karolus, E. R.	Tigerton, Wis.
Ebeling, Dirk	Woodman, Wis.	Koehler, B. W.	Pulaski, Wis.
Engel, Oscar	Bonduel, Wis.	Kub, J. A.	Milwaukee, Wis.
Evans, G. L.	Milwaukee, Wis.	LaFlambeau, W. L.	Ashland, Wis.
Fee, A. S.	Elliston, Mont.	Landwehr, R. G.	Milwaukee, Wis.
Fein, Norman	Milwaukee, Wis.	Lauterbach, A.	Redwood Falls, Minn.
Flynn, E. A.	Superior, Wis.	Lea, R. S.	Waupaca, Wis.
Garbisch, F. H.	Dorchester, Wis.	Leahy, Paul F.	Random Lake, Wis.

Name	Home Address	Name	Home Address
Leatherberry, J. C.	Richland Center, Wis.	Saidel, J. H.	Marinette, Wis.
Lee, E. L.	Granton, Wis.	Schief, G. A.	Medford, Wis.
LeSage, G. A.	Superior, Wis.	Schimmel, E. O.	Whitewater, Wis.
Lindelow, E. H.	Fargo, N. D.	Schlick, J. M.	Worthington, Iowa
Lyga, G. C.	Independence, Wis.	Schroeder, J. A.	Milwaukee, Wis.
MacQueen, G. C.	Lena, Wis.	Schwingle, Carl J.	Blue River, Wis.
Matter, A. D., Jr.	Milwaukee, Wis.	Scially, J.	Jersey City, N. J.
Maxey, J. R.	Shattuck, Ill.	Sell, A. G.	Glidden, Wis.
Mayer, A. K.	Milwaukee, Wis.	Semrau, J. S.	Menominee, Mich.
Mundt, C. R.	Marinette, Wis.	Silverness, H. O.	Galesville, Wis.
Murname, F. A.	White Bear Lake, Minn.	Smith, F. A.	Calmar, Wis.
Nelson, C. N.	Waupaca, Wis.	Snyder, Evelyn H.	Milwaukee, Wis.
Nirschl, B. A.	South Milwaukee, Wis.	Spaeth, V. K.	Cadott, Wis.
Noe, N. J.	Milwaukee, Wis.	Spears, A. J.	Bruce, Wis.
Nowak, Leon A.	Milwaukee, Wis.	Spirakes, James	Milwaukee, Wis.
O'Brian, H. F.	Fond du Lac, Wis.	Starha, J. V.	Superior, Wis.
O'Keefe, J. E.	Grand Forks, N. D.	Staudt, C. E.	Marble Rock, Iowa
O'Reilly, J. T.	Milwaukee, Wis.	Stollberg, L. A.	Two Rivers, Wis.
Ott, J. D.	De Sart, N. D.	Stover, G. H.	Milwaukee, Wis.
Palen, C. E.	Caledonia, Minn.	Topp, L. J.	Clintonville, Wis.
Peterson, R. E.	Manitowoc, Wis.	Turek, O. J.	Milwaukee, Wis.
Pope, C. L.	Detroit, Mich.	Umland, C. W.	Ft. Atkinson, Wis.
Quinn, W. E.	Ellsworth, Wis.	Vallier, J. R.	Milwaukee, Wis.
Rahilly, D. B.	Michigamme, Mich.	Vorlop, F. W.	Reedsburg, Wis.
Redfearn, E. E.	Pittsfield, Mass.	Wieczorek, F. J.	Milwaukee, Wis.
Reinke, Gilmer A.	Madison, Wis.	Wildman, C. W.	Marshalltown, Iowa
Richardson, James A.	River Falls, Wis.	Williams, G. P.	Oxford, Mich.
Rosenbaum, C. A.	Milwaukee, Wis.	Wrenn, J. A.	Darlington, Wis.
Royce, W. F.	Marshfield, Wis.		

Juniors—Class 1926

Name	Home Address	Name	Home Address
Algeo, Stephen	Cumberland, Wis.	Gartman, W. J.	Sheboygan, Wis.
Barber, Francis C.	Newberry, Mich.	Gehbe, Calista A.	Manitowoc, Wis.
Bast, Viola M.	Manitowoc, Wis.	Gestiehr, T. W.	Milwaukee, Wis.
Bergs, Venetious W.	Milwaukee, Wis.	Goetsch, R. W.	Milwaukee, Wis.
Berndt, Albert H.	Ripon, Wis.	Goldman, J.	Milwaukee, Wis.
Bert C. D.	St. Paul, Minn.	Goldsteen, A. E.	Milwaukee, Wis.
Bobo, F. D.	Toledo, Ohio	Greene, R. D.	Kenosha, Wis.
Boegel, A. W.	Kewaskum, Wis.	Grenz, J. E.	Golden Valley, N. D.
Brown, M. C.	Wessington, S. D.	Hammond, Donald F.	Janesville, Wis.
Bruemmer, M. L.	Algoma, Wis.	Hansen, M. C.	Kenosha, Wis.
Bruss, E. J.	Kenosha, Wis.	Harper, C. V.	Evansville, Wis.
Bucholtz, J. A.	Clintonville, Wis.	Harrison, B. K.	St. Paul, Minn.
Bucholtz, J. B.	Clintonville, Wis.	Heimsch, J. C.	Milwaukee, Wis.
Buck, W. H.	Ludington, Mich.	Hendersen, W. P.	Wessington, S. D.
Burmeister, A. W.	West Allis, Wis.	Hill, P. L.	Milwaukee, Wis.
Bush, B. A.	Ackley, Iowa	Hinkamp, H. J.	Waupun, Wis.
Byron, J. D.	Janesville, Minn.	Hoffman, L. E.	Elgin, N. D.
Cajski, C. S.	Milwaukee, Wis.	Hollow, F. R.	Crystal Falls, Mich.
Case, Clyde	Waseca, Minn.	Houlehan, B. D.	Hurley, Wis.
Casey, Leo J.	Koehuk, Iowa	Jensen, R. W.	McIntosh, Minn.
Clark, G. S.	Racine, Wis.	Jicha, M. A.	Wausaukee, Wis.
Conness, Wm.	Superior, Wis.	Johnson, G. R.	New York Mills, Minn.
Corbett, B. L.	Sault Ste. Marie, Mich.	Jones, C. W.	Muir, Mich.
Corcoran, G. J.	Escanaba, Mich.	Kelley, H. J.	Woodman, Wis.
Decker, A. D.	Chilton, Wis.	Kirchoff, H. S.	Owen, Wis.
Demoling, R. J.	Milwaukee, Wis.	Komar, J. J.	Milwaukee, Wis.
Devaney, J. H.	Cascade, Iowa	Krebs, E. K.	Berlin, Wis.
Dolan, M. T.	Ferryville, Wis.	Krebs, R. O.	Albany, Wis.
Donich, M. A.	Bessemer, Mich.	Kruzicki, B. D.	Rosholt, Wis.
Dowdall, Robt.	Minneapolis, Minn.	Kwak, W. C.	De Pew, N. Y.
Drosen, E. E.	Milwaukee, Wis.	LaBelle, A. L.	Chicago, Ill.
Dwan, J. V.	Saginaw, Mich.	Laun, R. W.	Wausaukee, Wis.
Dyer, R. M.	Blue River, Wis.	Le Clair, W.	Two Rivers, Wis.
Ebersperger, L. H.	Minneapolis, Minn.	Leichtfuss, I. W.	Milwaukee, Wis.
Ekstrom, L. K.	Superior, Wis.	Lenz, M. W.	Tomah, Wis.
Fitzgerald, R. J.	Milwaukee, Wis.	Lorenz, J. C.	Shawano, Wis.
Forwark, G. O.	Racine, Wis.	Lukasiewicz, F. A.	Rochester, N. Y.
Frencel, A. G.	Gilbert, Minn.	Magenheim, F. L.	Milwaukee, Wis.
Freeman, R. J.	Two Harbors, Minn.	Malezewski, A. J.	Milwaukee, Wis.
Funk, L. B.	Waupun, Wis.	Marshall, David	Omro, Wis.

Name	Home Address
Martin, C. A.	Madison, Wis.
Matz, H. J.	St. Paul, Minn.
McCarthy, C. S.	Kaukauna, Wis.
McGrath, C. F.	Iron Mountain, Mich.
McFarland, L. P.	Winthrop, Iowa
McGowan, J. E.	Superior, Wis.
Moraux, H. S.	Luxemburg, Wis.
Olson, W. O.	Superior, Wis.
O'Malley, S. M.	Medford, Wis.
O'Meara, W. E.	Cass Lake, Minn.
O'Rourke, E. J.	Duluth, Minn.
Osborne, E. O.	Sheridan, Ind.
Partridge, D. H.	Albany, Wis.
Peterson, E. H.	Madison, Minn.
Peterson, Ethan A.	Neillsville, Wis.
Peterson, R. H.	Soldiers Grove, Wis.
Pollock, D. C.	Whitewater, Wis.
Popp, Edward	Sutton Bay, Mich.
Poop, Lawrence	Green Bay, Wis.
Quinn, W. K.	Jefferson, Iowa
Rautio, C. T.	Hurley, Wis.
Remington, V. K.	Osseo, Wis.
Robbins, K. P.	Milwaukee, Wis.
Romaine, F. E.	Campbellsport, Wis.
Rothman, Roland	Wittenberg, Wis.
Rupert, R. B.	Milwaukee, Wis.
Sampe, A. A.	Manitowoc, Wis.

Name	Home Address
Sawyer, H. W.	Sarasota, Fla.
Schrichte, A. S.	Rushville, Ind.
Schuetz, M. W.	Middleton, Wis.
Scribner, L. C.	Stevens Point, Wis.
Simley, Alfred C.	Black Earth, Wis.
Smith, J. A.	Arkansas, Wis.
Springob, C. F.	Milwaukee, Wis.
Stangel, E. C.	Kewaunee, Wis.
Steil, G. W.	Milwaukee, Wis.
Steen, S. E.	Racine, Wis.
Stern, Wm.	West Allis, Wis.
Stevlingson, O. D.	Bangor, Wis.
Strauss, L. D.	Chicago, Ill.
Thomas, G. E.	Virginia, Minn.
Thomas, Edwin	Bay View, Wis.
Tocci, A. M.	Gile, Wis.
Torvick, C. A.	Superior, Wis.
Vader, M. M.	Hazelton, N. D.
Valaske, A. J.	Milwaukee, Wis.
Varebrook, E. M.	Marquette, Mich.
Walton, A. W.	Soldiers Grove, Wis.
Washington, Fannie Q.	Chicago, Ill.
Weiss, J.	Milwaukee, Wis.
Weng, R. H.	Oshkosh, Wis.
Wilde, A. G.	Milwaukee, Wis.
Yri, Ernest O.	Brinsmade, N. D.
Zachman, F. J.	Rogers, Minn.

Seniors—Class 1925

Name	Home Address
Ackerman, P. G.	New Rockford, N. D.
Adami, George C.	Milwaukee, Wis.
Adland, Sam	Milwaukee, Wis.
Andrews, Russell A.	Carrington, N. D.
Arneson, S. E.	Milwaukee, Wis.
Azuola, Eduardo	San Jose, Costa Rica
Bemis, M. A.	Plymouth, Wis.
Becker, E. A.	Milwaukee, Wis.
Berg, C. J.	Iola, Wis.
Bigsby, G. J.	Beloit, Wis.
Blake, John C.	Milroy, Minn.
Bodenback, Cyril R.	Wauwatosa, Wis.
Brand, F. M.	Wausau, Wis.
Brandt, L. J.	Merrill, Wis.
Brazelton, F. O.	Plymouth, Wis.
Buckley, L. E.	Ashland, Wis.
Burzynski, W. E.	Milwaukee, Wis.
Callaway, H. D.	Milwaukee, Wis.
Cameron, F. G.	Milwaukee, Wis.
Carle, N. B.	Duluth, Minn.
Chudacoff, Paul	Nadeau, Mich.
Chung, Phillip W.	Korea
Clark, Alex. H.	Buffalo, N. Y.
Cohen, W. M.	La Crosse, Wis.
Costello, H. M.	Racine, Wis.
Dahlk, W. W.	Middleton, Wis.
Davidoff, Dorothy	Milwaukee, Wis.
Desiles, T. A.	Escanaba, Mich.
Diment, K. J.	Milwaukee, Wis.
Doherty, W. R.	Clare, Mich.
Doll, J. S.	Middleton, Wis.
Donovan, C. E.	Waterloo, Wis.
Doran, Clarence W.	Rockford, Ill.
Draeger, V. J.	Tigerton, Wis.
Dunn, L. P.	Bloomington, Ill.
Edwards, A. C.	Milwaukee, Wis.
Edwards, E. C.	Bloomington, Wis.
Ellenberger, Wm.	Mondovi, Wis.
Elmore, A.	Findlay, Ohio
Fagan, D. P.	Prairie du Chien, Wis.
Forister, H. M.	Cheyenne, Wyo.
Freel, J. E.	Bay City, Mich.
Frey, J. A.	Beloit, Wis.

Name	Home Address
Friedman, H. J.	Aurora, Minn.
Gahan, R. L.	Milwaukee, Wis.
Gallagher, F. C.	Madison, Wis.
Gerend, A. H.	Kaukauna, Wis.
Giese, C. M.	Princeton, Wis.
Giese, E. G.	Princeton, Wis.
Glicklich, Isadore	Milwaukee, Wis.
Goggins, K. P.	Milwaukee, Wis.
Gormely, C. C.	Newberry, Mich.
Hall, L. J.	Rochester, Minn.
Hambach, C. R.	Milwaukee, Wis.
Hanson, H. B.	Mauston, Wis.
Hausman, Wm.	West Bend, Wis.
Hayes, E. M.	Fond du Lac, Wis.
Hehn, Anna L.	Rhineland, Wis.
Heintze, Hilda	Milwaukee, Wis.
Helmbrecht, M. C.	Mayville, Wis.
Herald, N. A.	Oconto, Wis.
Hilbert, Geo.	Reedsburg, Wis.
Hoffman, H. J.	Madison, Wis.
Holmes, D. A.	Blue Island, Ill.
Hudson, Alden	Green Bay, Mich.
Hughes, T. N.	Rio, Wis.
Jekel, A. S.	West Allis, Wis.
Johnson, I. C.	Bessemer, Mich.
Jones, K. T.	Madison, Wis.
Kaszynski, L. I.	Toledo, Ohio
Keefe, H. M.	Owen, Wis.
Kehrein, H. C.	Milwaukee, Wis.
Kieren, H. L.	Crystal Falls, Mich.
Koepke, A. T.	Milwaukee, Wis.
Koepp, Arthur W.	Mondovi, Wis.
Kosobud, Chas.	Lankin, N. D.
Krause, E. H.	Milwaukee, Wis.
Kulczak, A. E.	Bay City, Mich.
Ladner, E. J.	St. Cloud, Minn.
LaMere, D. H.	De Tour, Mich.
Larson, W. H.	Milwaukee, Wis.
Luck, H. E.	Waupun, Wis.
Major, D. A.	Blackburn, Mo.
Marquardt, A. H.	Manitowoc, Wis.
Mathie, J. J.	Milwaukee, Wis.
Mauch, C. E.	Ashland, Wis.

Name	Home Address
McCarthy, C. J.	Marinette, Wis.
McCollum, E. E.	Twin Bluffs, Wis.
McDermott, M. F.	Janesville, Wis.
McFarlane, J. R.	Waupun, Wis.
McNally, F. T.	Superior, Wis.
McNamara, R. P.	Superior, Wis.
Mitchell, J. R.	Oshkosh, Wis.
Montagne, A. J.	Detroit, Mich.
Moote, Clyde	White Cloud, Mich.
Morgan, F. S.	La Crosse, Wis.
Mueller, E. J.	Sheboygan, Wis.
Murphy, A. M.	Portage, Wis.
Murphy, H. J.	Portage, Wis.
Naegeli, L. E.	Montevedio, Minn.
Nicholoff, E.	Brockton, Mont.
Oakes, O. O.	Plainville, Wis.
O'Hanlon, F. E.	Milwaukee, Wis.
Ochsner, S. E.	Prairie du Sac, Wis.
Orr, R. R.	Ludington, Mich.
Parish, E. G.	Durand, Wis.
Perschbacher, C. L.	Kewaskum, Wis.
Peterson, A. C.	Long Prairie, Minn.
Polzer, W. R.	Durand, Wis.
Rashid, J. K.	Janesville, Wis.
Reichert, E. W.	Long Prairie, Minn.
Reilly, J. F.	Fond du Lac, Wis.
Repetto, Jno.	Esmond, N. D.
Richdori, M. L.	Maribel, Wis.
Riley, C. R.	Ellsworth, Wis.
Rodgers, O. G.	Milwaukee, Wis.
Rothenberg, E. J.	Brooklyn, N. Y.
Salava, F. R.	Mazomanie, Wis.
Schafer, E. J.	Nauvoo, Ill.

Name	Home Address
Schantz, C. W.	Cottage Grove, Wis.
Schmidt, E. E.	Marion, Wis.
Schnell, P. A.	Reads, Minn.
Schultz, F. C.	Waupun, Wis.
Schultz, H. C.	Neenah, Wis.
Schwalbe, G. W.	Milwaukee, Wis.
Sikir, W. F.	Avoca, Wis.
Skaalen, L. O.	Stoughton, Wis.
Spika, L. O.	La Crosse, Wis.
Stangel, S. J.	Kewaunee, Wis.
Swanson, L. O.	Clifford, N. D.
Sweeney, W. L.	Spring Valley, Wis.
Swenson, V. A.	Madison, Wis.
Thomas, J. R.	Lake Crystal, Minn.
Thoner, E. C.	Ellsworth, Wis.
Toonen, Harry	De Pere, Wis.
Topolinski, F. H.	Milwaukee, Wis.
Traxler, D. M.	Milwaukee, Wis.
Trepanier, Lloyd	Westboro, Wis.
Tuma, G. J.	New Prague, Minn.
Turk, A. F.	Black Earth, Wis.
Vanek, H. J.	Prairie du Chien, Wis.
VanRaalte, Carl	Milwaukee, Wis.
Wadeson, J. H.	Jamestown, N. D.
Walser, R. G.	Sauk City, Wis.
Weber, R. J.	Oconomowoc, Wis.
Weiss, Jacob	Milwaukee, Wis.
Werner, A. L.	Shawano, Wis.
Whalen, L. F.	Madison, Wis.
Wieczorek, L. R.	Milwaukee, Wis.
Williams, E. O.	Racine, Wis.
Wirtz, G. F.	Mandan, N. D.

GRADUATE STUDENT

Hahn, Henry F., D.D.S. Milwaukee, Wis.

DENTAL HYGIENISTS

Name	Home Address
Bellehumeuer, G. M.	Ironwood, Mich.
Blanchard, Elinor J.	Antigo, Wis.
Bogost, Edith M.	Milwaukee, Wis.
Brown, Lorraine S.	Lake Beulah, Wis.
Hahn, Mary E.	Milwaukee, Wis.
Hudson, Esther L.	Green Bay, Wis.
Doornek, Juanita L.	Fox Lake, Wis.
McCarthy, Charlotte L.	Milwaukee, Wis.

Name	Home Address
Miller, Bernadine L.	Fox Lake, Wis.
Platzer, Evelyn A.	Milwaukee, Wis.
Robb, Irma Jean	Milwaukee, Wis.
Samdahl, Agnes S.	Menomonie, Wis.
Schaefer, Genevieve	Lake Mills, Wis.
Wesselek, Aijce	Kewaunee, Wis.
Wincell, Eunice E.	Red Granite, Wis.
Zander, Florence A.	Milwaukee, Wis.





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Milwaukee, Wisconsin

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